

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: October 10, 2006

Signature: Rochelle Capobianco  
(Rochelle Capobianco)

Docket No.: 286336.150US1/NOR-011CP2  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Richard L. BOYD Confirmation No.: 2366  
Application No.: 10/748,450 Art Unit: 1644  
Filed: December 30, 2003 Examiner: M. A. Belyavskiy  
Title: STIMULATION OF THYMUS FOR VACCINATION  
DEVELOPMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Dear Sir:

This Information Disclosure Statement is being filed after the mailing date of the first Office Action on the merits and before the mailing date of a final Office Action or a Notice of Allowance.

Please charge the \$180.00 fee to our Deposit Account No. 08-0219.

Applicants request that the Examiner initial and return a copy of the enclosed Form PTO SB-08 with the next communication.

Respectfully submitted,

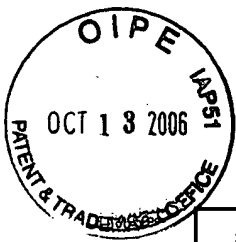
Dated: October 10, 2006

Ann-Louise Kerner, Ph.D.  
Registration No.: 33,523  
Attorney for Applicant(s)

Wilmer Cutler Pickering Hale and Dorr LLP  
60 State Street  
Boston, Massachusetts 02109  
(617) 526-6000 (telephone)  
(617) 526-5000 (facsimile)

5877560

10/16/2006 15:00:00 080219 10748450  
02 FC:1806 180.00 PA



PTO/SB/08a/b (07-06)

Approved for use through 09/30/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>Substitute for form 1449A/B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/748,450-Conf. #2366
				Filing Date	December 30, 2003
				First Named Inventor	Richard L. BOYD
				Art Unit	1644
				Examiner Name	M. A. Belyavskyi
Sheet	1	of	1	Attorney Docket Number	286336.150US1/NOR-011CP2

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	Abbas & Lichtman, <u>Cellular and Molecular Immunology</u> , 5th edition (updated), Elsevier Saunders (2005), p. 169	
	CB	Bennett, et al. (1998) <u>Nature</u> 393:478-80	
	CC	Bolotin, et al. (1996) <u>Blood</u> 88(5):1887-94	
	CD	Clark, et al. (1993) <u>J. Clin. Invest.</u> 92:540-48	
	CE	Cose et al. (1997) <u>Eur. J. Immunol.</u> 27: 2310-16	
	CF	Deng, et al. (2004) <u>J. Immunol.</u> 172:3437-3446	
	CG	French, et al. (2002) <u>Endocrinol.</u> 143(2):690-99.	
	CH	Hertogh-Huibregts et al., (1990) <u>Mech. Ageing Dev.</u> 53:141-155	
	CI	Janeway et al., <u>Immunobiology: The Immune System In Health And Disease</u> , 6th edition, Garland (2005), pp. 33, 347, 351, 361, 417-426	
	CJ	Mackall, et al. (1995) <u>New Eng. J. Med.</u> 332(3):143-49	
	CK	Mariani, et al. <u>Clin. Diag. Lab. Immunol.</u> (1998) 667-74	
	CL	Min, et al. (2002) <u>Blood</u> 99(12):4592-4600	
	CM	Montecino-Rodriguez, et al. (1998) <u>Endo.</u> 139(10):4120-26	
	CN	Murphy, et al. (1992) <u>J. Immunol.</u> 149(12):3851-57	
	CO	Nicoletti, et al., (1994) <u>J. Immunol.</u> 190:127-37	
	CP	Small, et al. (1999) <u>Blood</u> 93(2):467-80	
	CQ	Verhoef, et al. (1999) <u>Scand. J. Immunol.</u> 50:427-32	
	CR	Wallace, et al. (1999) <u>J. Virol.</u> 73(9):7619-26	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

5877796